

AUG 17 '15 PM 2:04



Associate Director for ESH
 Environment, Safety, and Health
 P.O. Box 1663, MS K491
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Environmental Management
 Los Alamos Field Office, MS A316
 3747 West Jemez Road
 Los Alamos, New Mexico 87544
 (505) 665-5658/FAX (505) 606-2132

Date: **AUG 17 2015**

Refer To: ADESH-15-108

LAUR: on each SMA

Locates Action No.: N/A

Paulette Johnsey, Chief
 Compliance Assurance and Enforcement Division
 Water Enforcement Branch (6EN)
 U.S. Environmental Protection Agency, Region 6
 1445 Ross Avenue, Suite 1200
 Dallas, TX 75202-2733

Subject: NPDES Permit No. NM0030759 – Submittal of Certification of Installation of Enhanced Control Measures for Eight Site Monitoring Areas

Dear Ms. Johnsey:

These documents are being submitted in accordance with the requirements of the National Pollutant Discharge Elimination System (NPDES) Permit No. NM0030759 for Los Alamos National Laboratory, issued to Los Alamos National Security, LLC, and the U.S. Department of Energy, effective November 1, 2010. As specified in Part I, Section E.1. (c), "Permittees shall certify completion of installation of control measures under this subsection to EPA within 30 days of completion of all such measures at the Site...."

Accordingly, the certification documentation for enhanced control measures completed at eight site monitoring areas (SMAs) is enclosed. The documentation is organized into SMA-specific reports (Table 1). Each report includes a signed certification statement, a list of the enhanced control measures installed at the SMA, a photograph of each enhanced control measure, and a site map. A copy of this report and the certified results are available from the "Regulatory Documents" link at the following website: <http://www.lanl.gov/community-environment/environmental-stewardship/protection/compliance/individual-permit-stormwater/index.php>.

Table 1
List of SMAs in This Submittal of Certification
of Installation of Enhanced Control Measures

Site Number	SMA Number	Permitted Feature
39-004(b) 39-004(e)	A-SMA-2	A002
33-0140(f)	CHQ-SMA-3.05	Q004
33-004(j) 33-006(a) 33-007(b) 33-010(c) 33-010(g) 33-010(h) 33-014	CHQ-SMA-6	Q009
22-015(c)	PJ-SMA-5	J005
40-003(a)	PJ-SMA-11	J013
40-003(b)	PJ-SMA-11.1	J014
36-004(a) 36-006	PT-SMA-3	I005
16-016(g) 16-028(b)	W-SMA-8	W011

If you have any questions, please contact Terrill Lemke at (505) 665-2397 (tlemke@lanl.gov) or David Rhodes at (505) 665-5325 (david.rhodes@em.doe.gov).

Sincerely,



Alison M. Dorries, Division Leader
 Environmental Protection Division
 Los Alamos National Laboratory

Sincerely,



Christine Gelles, Acting Manager
 Environmental Management
 Los Alamos Field Office

AD/CG/BR/SV/TL:sm

Enclosures: One hard copy with electronic files – Certification of Installation of Enhanced Control Measures for Eight Site Monitoring Areas (see individual document for LA-UR number)

Cy: (w/enc.)
Bruce Yurdin, NMED-SWQB, P.O. Box 5469, Santa Fe, NM 87502 (paper & electronic copy)
emla.docs@em.doe.gov, MS A316
Public Reading Room (EPRR)
ADESH Records

Cy: (Letter and CD and/or DVD)
Laurie King, EPA Region 6, Dallas, TX
Sarah Holcomb, NMED-SWQB
Steve Yanicak, NMED-DOE-OB, MS M894
Bill Foley, ADEP ER Program
PRS Database

Cy: (w/o enc./date-stamped letter emailed)
Everett Spencer, EPA Region 6
Brent Larsen, EPA Region 6
lasomailbox@nnsa.doe.gov
Kimberly Davis Lebak, DOE-NA-LA
Peter Maggiore, DOE-NA-LA
Annette Russell, DOE-EM-LA
Karen Armijo, DOE-EM-LA
David Rhodes, DOE-EM-LA
Jeff Walterscheid, ADEP ER Program
Steve Veenis, ADEP ER Program
Bruce Robinson, ADEP ER Program
Terrill Lemke, ADESH-ENV-CP
Mike Saladen, ADESH-ENV-CP
Tony Grieggs, ADESH-ENV-CP
Alison Dorries, ADESH-ENV-DO
Michael Brandt, ADESH
Amy De Palma, PADOPS
Craig Leasure, PADOPS

**Certification of Installation of
Enhanced Control Measures
at CHQ-SMA-3.05**

LA-UR-15-25017

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LOS ALAMOS NATIONAL LABORATORY
CERTIFICATION OF ENHANCED CONTROL MEASURES

PF: Q004

CHQ-SMA-3.05

Sites: 33-010(f)

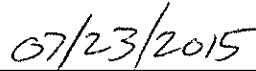
The following certification was performed in accordance with NPDES Permit No. NM0030759, Part I.E.1 (c), which requires the Permittees (i.e. EM-LA and ER) to certify the completion of the installation of control measures within 30 days of completion of the installation of all such measures at the site.

CERTIFICATION STATEMENT OF AUTHORIZATION

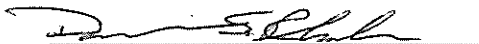
"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware there are significant penalties for submitting false information including the possibility of fine and imprisonment for knowing violations."



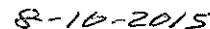
Environmental Programs
Environmental Remediation
Los Alamos National Laboratory



Date



Los Alamos Field Office
Environmental Management



Date

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LOS ALAMOS NATIONAL LABORATORY
CERTIFICATION OF ENHANCED CONTROL MEASURES

PF: Q004

CHQ-SMA-3.05

Sites: 33-010(f)

In accordance with Part I.E.1 (a), the design, installation, and documentation of enhanced control measures reasonably expected to achieve compliance with target action levels identified in the Permit for all Sites within the identified SMA drainage area have been completed.

Enhanced Control Measure Description:			
BMP ID	Type of Control Measure	Control Measure	Photo ID
Q00401030016	Seed and Mulch	Hydromulch	46551-9.JPG
Q00403010015	Berms	Earthen Berm	46551-7.JPG
Q00403120014	Berms	Rock Berm	46551-6.JPG
Q00403140010	Berms	Coir Log	46551-1.JPG
Q00403140011	Berms	Coir Log	46551-3.JPG
Q00403140012	Berms	Coir Log	46551-4.JPG
Q00403140013	Berms	Coir Log	46551-5.JPG

LOS ALAMOS NATIONAL LABORATORY
CERTIFICATION OF ENHANCED CONTROL MEASURES

PF: Q004

CHQ-SMA-3.05

Sites: 33-010(f)

Photos:



Photo: 46551-1.JPG

Q00403140010

Berms

- Coir Log

LOS ALAMOS NATIONAL LABORATORY
CERTIFICATION OF ENHANCED CONTROL MEASURES

PF: Q004

CHQ-SMA-3.05

Sites: 33-010(f)



Photo: 46551-3.JPG

Q00403140011

Berms

- Coir Log

LOS ALAMOS NATIONAL LABORATORY
CERTIFICATION OF ENHANCED CONTROL MEASURES

PF: Q004

CHQ-SMA-3.05

Sites: 33-010(f)



Photo: 46551-4.JPG

Q00403140012

Berms

- Coir Log

LOS ALAMOS NATIONAL LABORATORY
CERTIFICATION OF ENHANCED CONTROL MEASURES

PF: Q004

CHQ-SMA-3.05

Sites: 33-010(f)



Photo: 46551-5.JPG

Q00403140013

Berms

- Coir Log

LOS ALAMOS NATIONAL LABORATORY
CERTIFICATION OF ENHANCED CONTROL MEASURES

PF: Q004

CHQ-SMA-3.05

Sites: 33-010(f)



Photo: 46551-6.JPG

Q00403120014

Berms

- Rock Berm

LOS ALAMOS NATIONAL LABORATORY
CERTIFICATION OF ENHANCED CONTROL MEASURES

PF: Q004

CHQ-SMA-3.05

Sites: 33-010(f)



Photo: 46551-7.JPG

Q00403010015 Berms

- Earthen Berm

LOS ALAMOS NATIONAL LABORATORY
CERTIFICATION OF ENHANCED CONTROL MEASURES

PF: Q004

CHQ-SMA-3.05

Sites: 33-010(f)



Photo: 46551-9.JPG

Q00401030016

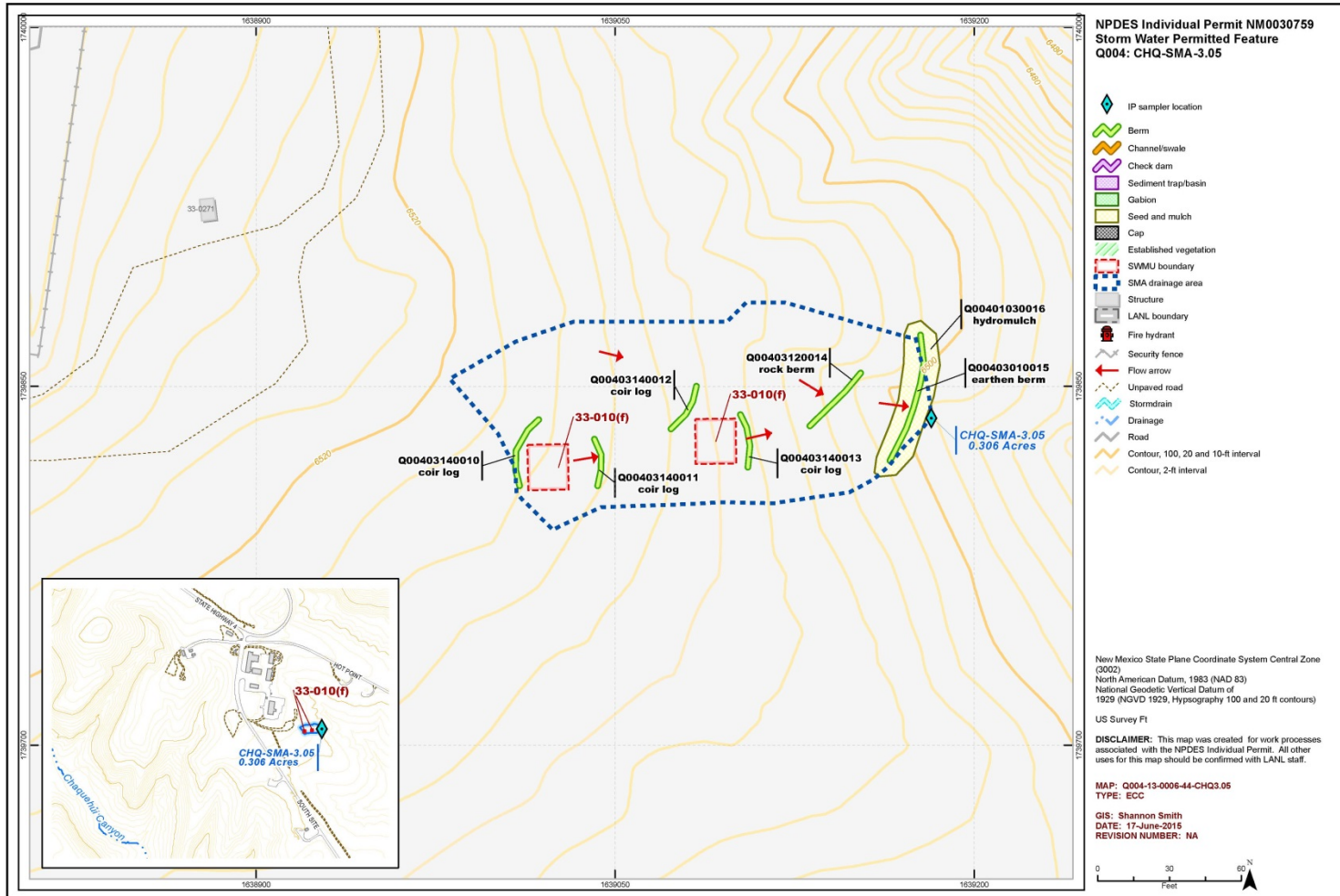
Seed and Mulch

- Hydromulch

LOS ALAMOS NATIONAL LABORATORY
CERTIFICATION OF ENHANCED CONTROL MEASURES
CHQ-SMA-3.05

PF: Q004

Sites: 33-010(f)



**Certification of Installation of
Enhanced Control Measures
at CHQ-SMA-6**

LA-UR-15-25018

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LOS ALAMOS NATIONAL LABORATORY
 CERTIFICATION OF ENHANCED CONTROL MEASURES

PF: Q009


CHQ-SMA-6

Sites: 33-004(j)
 33-006(a)
 33-007(b)
 33-010(c)
 33-010(g)
 33-010(h)
 33-014

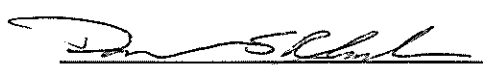
The following certification was performed in accordance with NPDES Permit No. NM0030759, Part I.E.1 (c), which requires the Permittees (i.e. EM-LA and ER) to certify the completion of the installation of control measures within 30 days of completion of the installation of all such measures at the site.

CERTIFICATION STATEMENT OF AUTHORIZATION

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware there are significant penalties for submitting false information including the possibility of fine and imprisonment for knowing violations."


 Environmental Programs
 Environmental Remediation
 Los Alamos National Laboratory

07/23/2015
 Date


 Los Alamos Field Office
 Environmental Management

8-10-2015
 Date

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LOS ALAMOS NATIONAL LABORATORY
 CERTIFICATION OF ENHANCED CONTROL MEASURES

PF: Q009

CHQ-SMA-6

Sites: 33-004(j)
 33-006(a)
 33-007(b)
 33-010(c)
 33-010(g)
 33-010(h)
 33-014

In accordance with Part I.E.1 (a), the design, installation, and documentation of enhanced control measures reasonably expected to achieve compliance with target action levels identified in the Permit for all Sites within the identified SMA drainage area have been completed.

Enhanced Control Measure Description:			
BMP ID	Type of Control Measure	Control Measure	Photo ID
Q00903010041	Berms	Earthen Berm	46213-24.JPG
Q00903150043	Berms	Redi-Rock Berm	46213-26.JPG
Q00906010042	Check Dam	Rock Check Dam	46213-25.JPG

NPDES PERMIT NO. NM0030759

LA-UR-15-25018

LOS ALAMOS NATIONAL LABORATORY
CERTIFICATION OF ENHANCED CONTROL MEASURES

PF: Q009

CHQ-SMA-6

Sites: 33-004(j)
33-006(a)
33-007(b)
33-010(c)
33-010(g)
33-010(h)
33-014

Photos:



Photo: 46213-24.JPG

Q00903010041

Berms

- Earthen Berm

NPDES PERMIT NO. NM0030759

LA-UR-15-25018

LOS ALAMOS NATIONAL LABORATORY
CERTIFICATION OF ENHANCED CONTROL MEASURES

PF: Q009

CHQ-SMA-6

Sites: 33-004(j)
33-006(a)
33-007(b)
33-010(c)
33-010(g)
33-010(h)
33-014



Photo: 46213-25.JPG

Q00906010042 Check Dam

- Rock Check Dam

NPDES PERMIT NO. NM0030759

LA-UR-15-25018

LOS ALAMOS NATIONAL LABORATORY
CERTIFICATION OF ENHANCED CONTROL MEASURES

PF: Q009

CHQ-SMA-6

Sites: 33-004(j)
33-006(a)
33-007(b)
33-010(c)
33-010(g)
33-010(h)
33-014



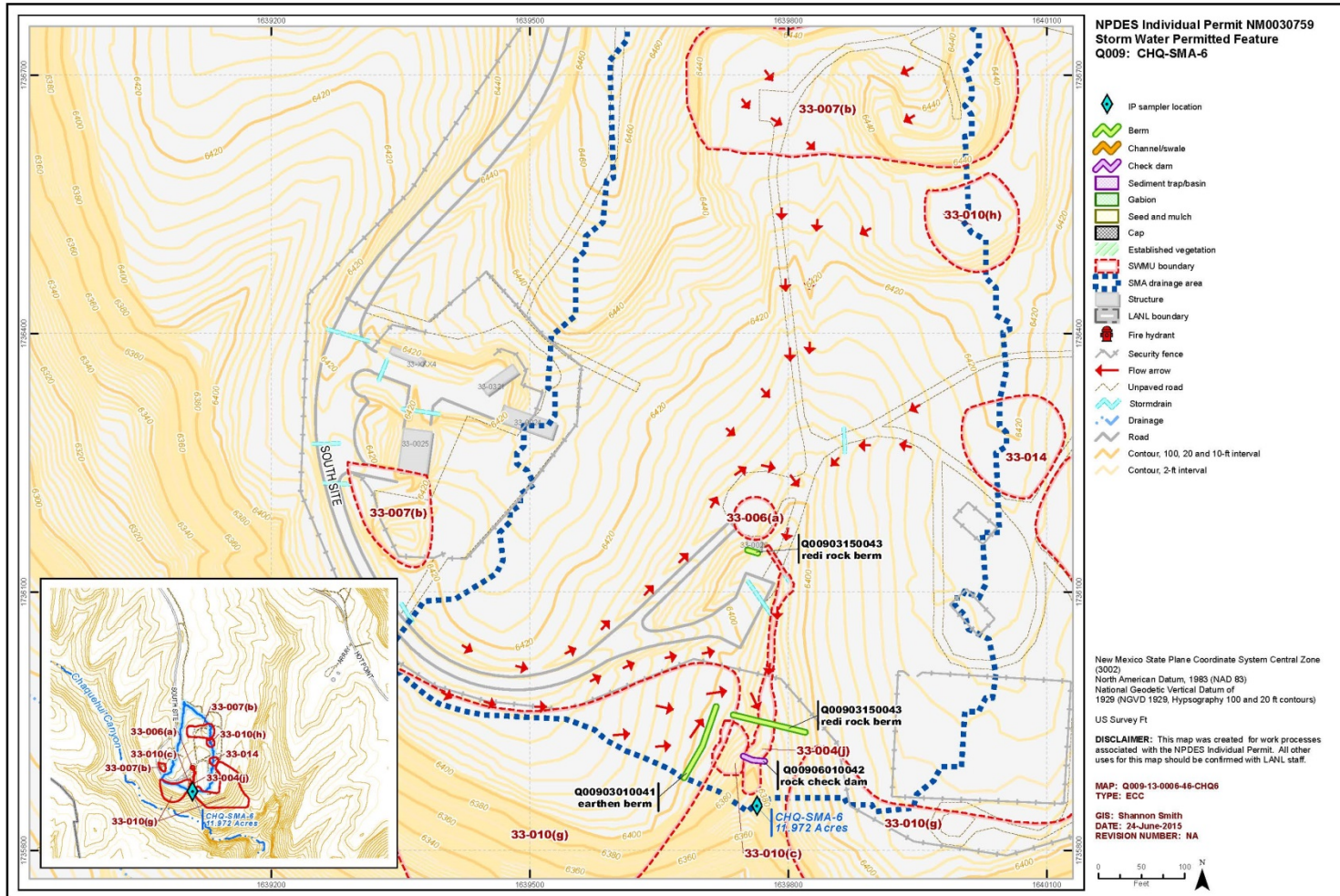
Photo: 46213-26.JPG
Q00903150043 Berms

- Redi-Rock Berm

LOS ALAMOS NATIONAL LABORATORY
CERTIFICATION OF ENHANCED CONTROL MEASURES
CHQ-SMA-6

PF: Q009

Sites: 33-004(j)
33-006(a), 33-007(b), 33-010(c),
33-010(g), 33-010(h), 33-014



**Certification of Installation of
Enhanced Control Measures
at PT-SMA-3**

LA-UR-15-24161

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LOS ALAMOS NATIONAL LABORATORY
CERTIFICATION OF ENHANCED CONTROL MEASURES

PF: I005


PT-SMA-3

Sites: 36-004(a)
36-006

The following certification was performed in accordance with NPDES Permit No. NM0030759, Part I.E.1 (c), which requires the Permittees (i.e. EM-LA and ER) to certify the completion of the installation of control measures within 30 days of completion of the installation of all such measures at the site.

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Environmental Programs
Environmental Remediation
Los Alamos National Laboratory

7/14/2015
Date


Los Alamos Field Office
Environmental Management

8-10-2015
Date

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**LOS ALAMOS NATIONAL LABORATORY
CERTIFICATION OF ENHANCED CONTROL MEASURES**

PF: I005

PT-SMA-3

Sites: 36-004(a)
36-006

In accordance with Part I.E.1 (a), the design, installation, and documentation of enhanced control measures reasonably expected to achieve compliance with target action levels identified in the Permit for all Sites within the identified SMA drainage area have been completed.

Enhanced Control Measure Description:			
BMP ID	Type of Control Measure	Control Measure	Photo ID
I00503010030	Berms	Earthen Berm	46338-4.JPG
I00504010029	Channel/Swale	Earthen Channel/Swale	46338-3.JPG
I00504060038	Channel/Swale	Rip Rap	46338-9.JPG
I00505020037	Sediment Traps and Basins	Sediment Basin	46338-8.JPG
I00506010031	Check Dam	Rock Check Dam	46338-5.JPG
I00506010032	Check Dam	Rock Check Dam	46338-6.JPG
I00506010033	Check Dam	Rock Check Dam	46338-6.JPG
I00506010034	Check Dam	Rock Check Dam	46338-6.JPG
I00506010035	Check Dam	Rock Check Dam	46338-7.JPG
I00506010036	Check Dam	Rock Check Dam	46338-7.JPG

LOS ALAMOS NATIONAL LABORATORY
CERTIFICATION OF ENHANCED CONTROL MEASURES

PF: I005

PT-SMA-3

Sites: 36-004(a)
36-006

Photos:



Photo: 46338-3.JPG

I00504010029

Channel/Swale

- Earthen Channel/Swale

LOS ALAMOS NATIONAL LABORATORY
CERTIFICATION OF ENHANCED CONTROL MEASURES

PF: I005

PT-SMA-3

Sites: 36-004(a)
36-006



Photo: 46338-4.JPG

I00503010030

Berms

- Earthen Berm

NPDES PERMIT NO. NM0030759

LA-UR-15-24161

LOS ALAMOS NATIONAL LABORATORY
CERTIFICATION OF ENHANCED CONTROL MEASURES

PF: I005

PT-SMA-3

Sites: 36-004(a)
36-006



Photo: 46338-5.JPG

I00506010031

Check Dam

- Rock Check Dam

LOS ALAMOS NATIONAL LABORATORY
CERTIFICATION OF ENHANCED CONTROL MEASURES

PF: I005

PT-SMA-3

Sites: 36-004(a)
36-006



Photo: 46338-6.JPG

- | | | |
|--------------|-----------|------------------|
| I00506010032 | Check Dam | - Rock Check Dam |
| I00506010033 | Check Dam | - Rock Check Dam |
| I00506010034 | Check Dam | - Rock Check Dam |

LOS ALAMOS NATIONAL LABORATORY
CERTIFICATION OF ENHANCED CONTROL MEASURES

PF: I005

PT-SMA-3

Sites: 36-004(a)
36-006



Photo: 46338-7.JPG

I00506010035 Check Dam

- Rock Check Dam

I00506010036 Check Dam

- Rock Check Dam

NPDES PERMIT NO. NM0030759

LA-UR-15-24161

LOS ALAMOS NATIONAL LABORATORY
CERTIFICATION OF ENHANCED CONTROL MEASURES

PF: I005

PT-SMA-3

Sites: 36-004(a)
36-006



Photo: 46338-8.JPG

100505020037

Sediment Traps and Basins

- Sediment Basin

LOS ALAMOS NATIONAL LABORATORY
CERTIFICATION OF ENHANCED CONTROL MEASURES

PF: I005

PT-SMA-3

Sites: 36-004(a)
36-006



Photo: 46338-9.JPG

100504060038

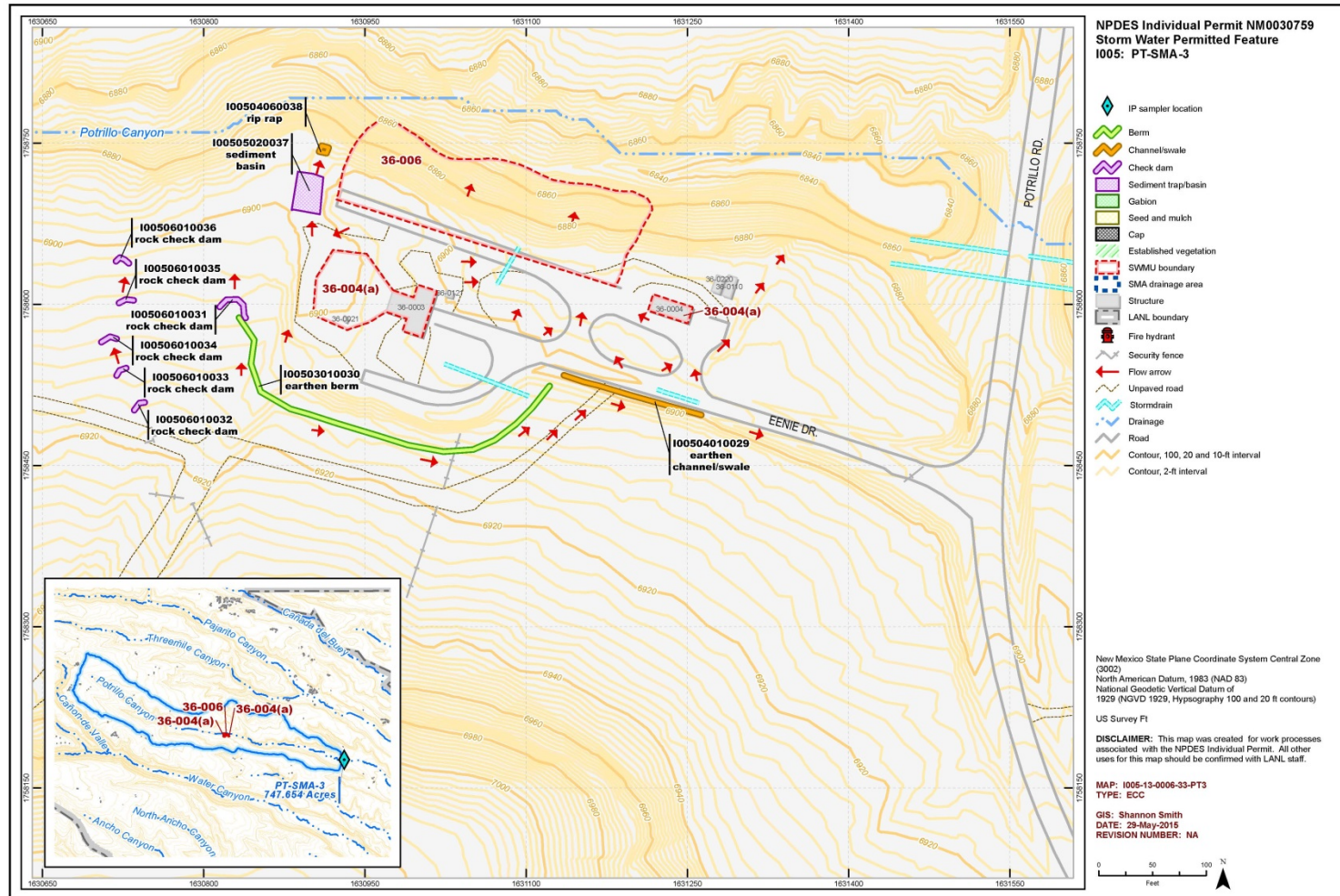
Channel/Swale

- Rip Rap

LOS ALAMOS NATIONAL LABORATORY
CERTIFICATION OF ENHANCED CONTROL MEASURES
PT-SMA-3

PF: I005

Sites: 36-004(a)
36-006



**Certification of Installation of
Enhanced Control Measures
at A-SMA-2**

LA-UR-15-21539

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LOS ALAMOS NATIONAL LABORATORY
CERTIFICATION OF ENHANCED CONTROL MEASURES

PF: A002

A-SMA-2

Sites: 39-004(b)
39-004(e)

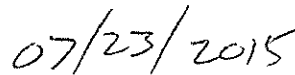
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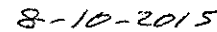
Environmental Programs
Environmental Remediation
Los Alamos National Laboratory



Date



Los Alamos Field Office
Environmental Management



Date

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**LOS ALAMOS NATIONAL LABORATORY
CERTIFICATION OF ENHANCED CONTROL MEASURES**

PF: A002

A-SMA-2

Sites: 39-004(b)
39-004(e)

In accordance with Part I.E.1 (a), the design, installation, and documentation of enhanced control measures reasonably expected to achieve compliance with target action levels identified in the Permit for all Sites within the identified SMA drainage area have been completed.

Enhanced Control Measure Description:			
BMP ID	Type of Control Measure	Control Measure	Photo ID
A00203010041	Berms	Earthen Berm	43870-2.JPG
A00203010042	Berms	Earthen Berm	43870-3cropped.
A00203010043	Berms	Earthen Berm	43870-1.JPG
A00203020051	Berms	Base Course Berm	43870-10.JPG
A00203150047	Berms	Redi-Rock Berm	43870-7.JPG
A00204040044	Channel/Swale	Culvert	43870-4.JPG
A00204040046	Channel/Swale	Culvert	43870-6.JPG
A00204040049	Channel/Swale	Culvert	43870-8.JPG
A00204050053	Channel/Swale	Water Bar	43870-12.JPG
A00204080045	Channel/Swale	Turf Reinforcement Matting	43870-5.JPG
A00204080048	Channel/Swale	Turf Reinforcement Matting	43870-8.JPG
A00204080052	Channel/Swale	Turf Reinforcement Matting	43870-11.JPG
A00205020050	Sediment Traps and Basins	Sediment Basin	43870-9.JPG

LOS ALAMOS NATIONAL LABORATORY
CERTIFICATION OF ENHANCED CONTROL MEASURES

PF: A002

A-SMA-2

Sites: 39-004(b)
39-004(e)

Photos:



Photo: 43870-1.JPG

A00203010043

Berms

- Earthen Berm

NPDES PERMIT NO. NM0030759

LA-UR-15-21539

LOS ALAMOS NATIONAL LABORATORY
CERTIFICATION OF ENHANCED CONTROL MEASURES

PF: A002

A-SMA-2

Sites: 39-004(b)
39-004(e)



Photo: 43870-10.JPG

A00203020051

Berms

- Base Course Berm

LOS ALAMOS NATIONAL LABORATORY
CERTIFICATION OF ENHANCED CONTROL MEASURES

PF: A002

A-SMA-2

Sites: 39-004(b)
39-004(e)



Photo: 43870-11.JPG

A00204080052

Channel/Swale

- Turf Reinforcement Matting

NPDES PERMIT NO. NM0030759

LA-UR-15-21539

LOS ALAMOS NATIONAL LABORATORY
CERTIFICATION OF ENHANCED CONTROL MEASURES

PF: A002

A-SMA-2

Sites: 39-004(b)
39-004(e)



Photo: 43870-12.JPG

A00204050053

Channel/Swale

- Water Bar

LOS ALAMOS NATIONAL LABORATORY
CERTIFICATION OF ENHANCED CONTROL MEASURES

PF: A002

A-SMA-2

Sites: 39-004(b)
39-004(e)



Photo: 43870-2.JPG

A00203010041

Berms

- Earthen Berm

LOS ALAMOS NATIONAL LABORATORY
CERTIFICATION OF ENHANCED CONTROL MEASURES

PF: A002

A-SMA-2

Sites: 39-004(b)
39-004(e)



Photo: 43870-3cropped.JPG
A00203010042 Berms

- Earthen Berm

LOS ALAMOS NATIONAL LABORATORY
CERTIFICATION OF ENHANCED CONTROL MEASURES

PF: A002

A-SMA-2

Sites: 39-004(b)
39-004(e)



Photo: 43870-4.JPG

A00204040044

Channel/Swale

- Culvert

LOS ALAMOS NATIONAL LABORATORY
CERTIFICATION OF ENHANCED CONTROL MEASURES

PF: A002

A-SMA-2

Sites: 39-004(b)
39-004(e)



Photo: 43870-5.JPG

A00204080045

Channel/Swale

- Turf Reinforcement Matting

LOS ALAMOS NATIONAL LABORATORY
CERTIFICATION OF ENHANCED CONTROL MEASURES

PF: A002

A-SMA-2

Sites: 39-004(b)
39-004(e)



Photo: 43870-6.JPG

A00204040046

Channel/Swale

- Culvert

NPDES PERMIT NO. NM0030759

LA-UR-15-21539

LOS ALAMOS NATIONAL LABORATORY
CERTIFICATION OF ENHANCED CONTROL MEASURES

PF: A002

A-SMA-2

Sites: 39-004(b)
39-004(e)



Photo: 43870-7.JPG

A00203150047

Berm

- Redi-Rock Berm

LOS ALAMOS NATIONAL LABORATORY
CERTIFICATION OF ENHANCED CONTROL MEASURES

PF: A002

A-SMA-2

Sites: 39-004(b)
39-004(e)



Photo: 43870-8.JPG

A00204040049 Channel/Swale

- Culvert

A00204080048 Channel/Swale

- Turf Reinforcement Matting

NPDES PERMIT NO. NM0030759

LA-UR-15-21539

LOS ALAMOS NATIONAL LABORATORY
CERTIFICATION OF ENHANCED CONTROL MEASURES

PF: A002

A-SMA-2

Sites: 39-004(b)
39-004(e)



Photo: 43870-9.JPG

A00205020050

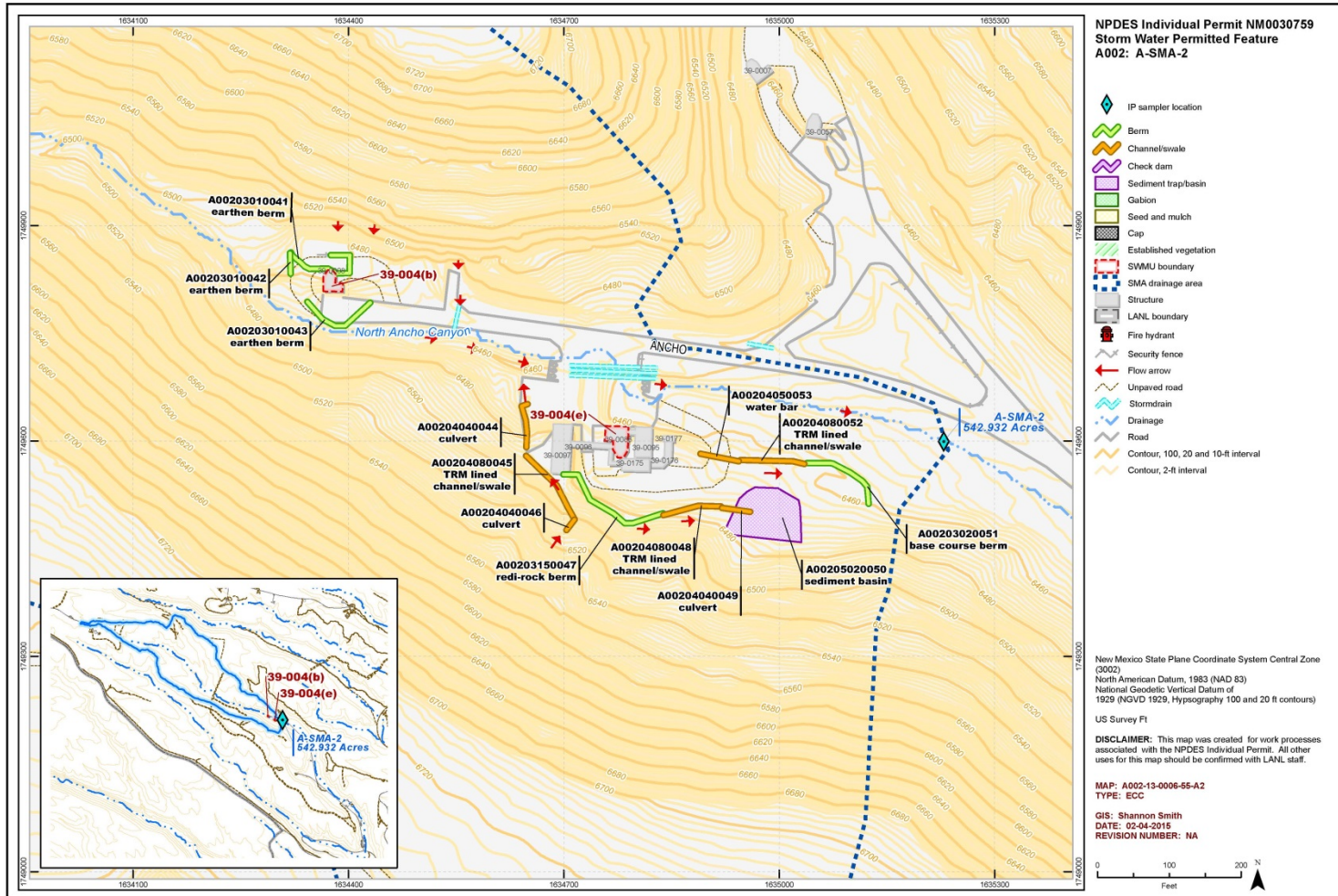
Sediment Traps and Basins

- Sediment Basin

LOS ALAMOS NATIONAL LABORATORY
CERTIFICATION OF ENHANCED CONTROL MEASURES
A-SMA-2

PF: A002

Sites: 39-004(b)
39-004(e)



**Certification of Installation of
Enhanced Control Measures
at PJ-SMA-5**

LA-UR-15-21501

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LOS ALAMOS NATIONAL LABORATORY
CERTIFICATION OF ENHANCED CONTROL MEASURES

PF: J005


PJ-SMA-5

Sites: 22-015(c)

The following certification was performed in accordance with NPDES Permit No. NM0030759, Part I.E.1 (c), which requires the Permittees (i.e. EM-LA and ER) to certify the completion of the installation of control measures within 30 days of completion of the installation of all such measures at the site.

CERTIFICATION STATEMENT OF AUTHORIZATION

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware there are significant penalties for submitting false information including the possibility of fine and imprisonment for knowing violations."



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8-10-2015

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**LOS ALAMOS NATIONAL LABORATORY
CERTIFICATION OF ENHANCED CONTROL MEASURES**

PF: J005

PJ-SMA-5

Sites: 22-015(c)

In accordance with Part I.E.1 (a), the design, installation, and documentation of enhanced control measures reasonably expected to achieve compliance with target action levels identified in the Permit for all Sites within the identified SMA drainage area have been completed.

Enhanced Control Measure Description:			
BMP ID	Type of Control Measure	Control Measure	Photo ID
J00503010025	Berms	Earthen Berm	44824-8.JPG
J00503030019	Berms	Log Berm	44824-3.JPG
J00503120026	Berms	Rock Berm	44824-8.JPG
J00503120027	Berms	Rock Berm	44824-9.JPG
J00503120028	Berms	Rock Berm	44824-9.JPG
J00504040016	Channel/Swale	Culvert	44824-9.JPG
J00504060017	Channel/Swale	Rip Rap	44824-9.JPG
J00504060020	Channel/Swale	Rip Rap	44824-5.JPG
J00506010018	Check Dam	Rock Check Dam	44824-2.JPG
J00506010021	Check Dam	Rock Check Dam	44824-5.JPG
J00506010022	Check Dam	Rock Check Dam	44824-6.JPG
J00506010023	Check Dam	Rock Check Dam	44824-6.JPG
J00506010024	Check Dam	Rock Check Dam	44824-7.JPG

LOS ALAMOS NATIONAL LABORATORY
CERTIFICATION OF ENHANCED CONTROL MEASURES

PF: J005

PJ-SMA-5

Sites: 22-015(c)

Photos:



Photo: 44824-2.JPG

J00506010018

Check Dam

- Rock Check Dam

LOS ALAMOS NATIONAL LABORATORY
CERTIFICATION OF ENHANCED CONTROL MEASURES

PF: J005

PJ-SMA-5

Sites: 22-015(c)



Photo: 44824-3.JPG

J00503030019

Berms

- Log Berm

LOS ALAMOS NATIONAL LABORATORY
CERTIFICATION OF ENHANCED CONTROL MEASURES

PF: J005

PJ-SMA-5

Sites: 22-015(c)



Photo: 44824-5.JPG

J00504060020

Channel/Swale

- Rip Rap

J00506010021

Check Dam

- Rock Check Dam

LOS ALAMOS NATIONAL LABORATORY
CERTIFICATION OF ENHANCED CONTROL MEASURES

PF: J005

PJ-SMA-5

Sites: 22-015(c)



Photo: 44824-6.JPG

J00506010022	Check Dam	- Rock Check Dam
J00506010023	Check Dam	- Rock Check Dam

LOS ALAMOS NATIONAL LABORATORY
CERTIFICATION OF ENHANCED CONTROL MEASURES

PF: J005

PJ-SMA-5

Sites: 22-015(c)



Photo: 44824-7.JPG

J00506010024

Check Dam

- Rock Check Dam

LOS ALAMOS NATIONAL LABORATORY
CERTIFICATION OF ENHANCED CONTROL MEASURES

PF: J005

PJ-SMA-5

Sites: 22-015(c)



Photo: 44824-8.JPG

J00503010025 Berms

- Earthen Berm

J00503120026 Berms

- Rock Berm

LOS ALAMOS NATIONAL LABORATORY
CERTIFICATION OF ENHANCED CONTROL MEASURES

PF: J005

PJ-SMA-5

Sites: 22-015(c)



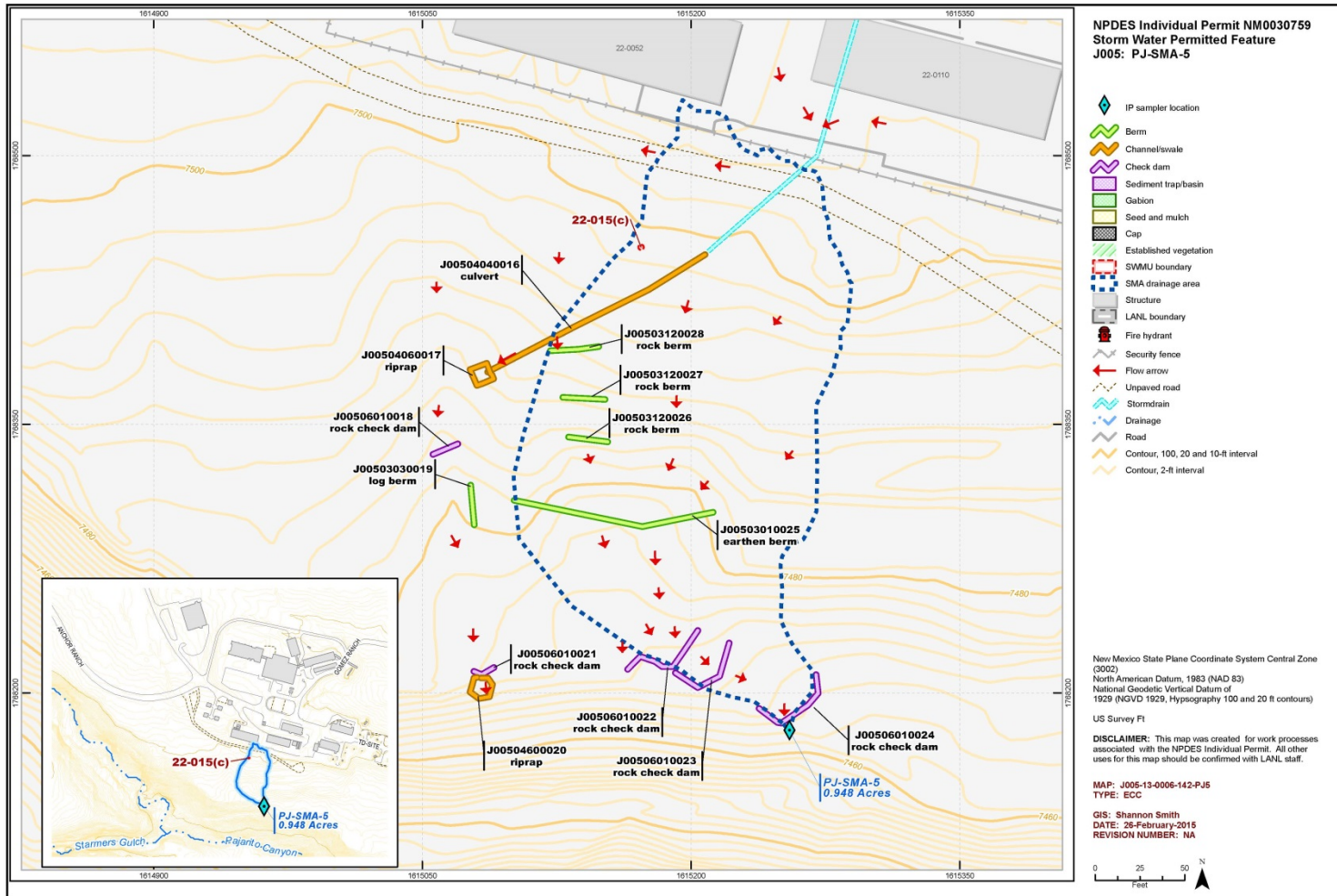
Photo: 44824-9.JPG

J00503120027	Berms	- Rock Berm
J00503120028	Berms	- Rock Berm
J00504040016	Channel/Swale	- Culvert
J00504060017	Channel/Swale	- Rip Rap

LOS ALAMOS NATIONAL LABORATORY
CERTIFICATION OF ENHANCED CONTROL MEASURES
PJ-SMA-5

PF: J005

Sites: 22-015(c)



**Certification of Installation of
Enhanced Control Measures
at W-SMA-8**

LA-UR-15-21533

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LOS ALAMOS NATIONAL LABORATORY
CERTIFICATION OF ENHANCED CONTROL MEASURES

PF: W011

W-SMA-8

Sites: 16-016(g)
16-028(b)

The following certification was performed in accordance with NPDES Permit No. NM0030759, Part I.E.1 (c), which requires the Permittees (i.e. EM-LA and ER) to certify the completion of the installation of control measures within 30 days of completion of the installation of all such measures at the site.

CERTIFICATION STATEMENT OF AUTHORIZATION

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware there are significant penalties for submitting false information including the possibility of fine and imprisonment for knowing violations."



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**LOS ALAMOS NATIONAL LABORATORY
CERTIFICATION OF ENHANCED CONTROL MEASURES**

PF: W011

W-SMA-8

Sites: 16-016(g)
16-028(b)

In accordance with Part I.E.1 (a), the design, installation, and documentation of enhanced control measures reasonably expected to achieve compliance with target action levels identified in the Permit for all Sites within the identified SMA drainage area have been completed.

Enhanced Control Measure Description:			
BMP ID	Type of Control Measure	Control Measure	Photo ID
W01103010012	Berms	Earthen Berm	43881-5.JPG
W01103010013	Berms	Earthen Berm	43881-6.JPG
W01103010014	Berms	Earthen Berm	43881-2.JPG
W01103010015	Berms	Earthen Berm	43881-7.JPG
W01103040010	Berms	Asphalt Berm	43881-3.JPG
W01106010016	Check Dam	Rock Check Dam	43881-8.JPG

LOS ALAMOS NATIONAL LABORATORY
CERTIFICATION OF ENHANCED CONTROL MEASURES

PF: W011

W-SMA-8

Sites: 16-016(g)
16-028(b)

Photos:



Photo: 43881-2.JPG

W01103010014

Berms

- Earthen Berm

NPDES PERMIT NO. NM0030759

LA-UR-15-21533

LOS ALAMOS NATIONAL LABORATORY
CERTIFICATION OF ENHANCED CONTROL MEASURES

PF: W011

W-SMA-8

Sites: 16-016(g)
16-028(b)



Photo: 43881-3.JPG

W01103040010

Berms

- Asphalt Berm

NPDES PERMIT NO. NM0030759

LA-UR-15-21533

LOS ALAMOS NATIONAL LABORATORY
CERTIFICATION OF ENHANCED CONTROL MEASURES

PF: W011

W-SMA-8

Sites: 16-016(g)
16-028(b)



Photo: 43881-5.JPG

W01103010012

Berms

- Earthen Berm

NPDES PERMIT NO. NM0030759

LA-UR-15-21533

LOS ALAMOS NATIONAL LABORATORY
CERTIFICATION OF ENHANCED CONTROL MEASURES

PF: W011

W-SMA-8

Sites: 16-016(g)
16-028(b)



Photo: 43881-6.JPG

W01103010013 Berms

- Earthen Berm

NPDES PERMIT NO. NM0030759

LA-UR-15-21533

LOS ALAMOS NATIONAL LABORATORY
CERTIFICATION OF ENHANCED CONTROL MEASURES

PF: W011

W-SMA-8

Sites: 16-016(g)
16-028(b)



Photo: 43881-7.JPG

W01103010015 Berms

- Earthen Berm

NPDES PERMIT NO. NM0030759

LA-UR-15-21533

LOS ALAMOS NATIONAL LABORATORY
CERTIFICATION OF ENHANCED CONTROL MEASURES

PF: W011

W-SMA-8

Sites: 16-016(g)
16-028(b)



Photo: 43881-8.JPG

W01106010016

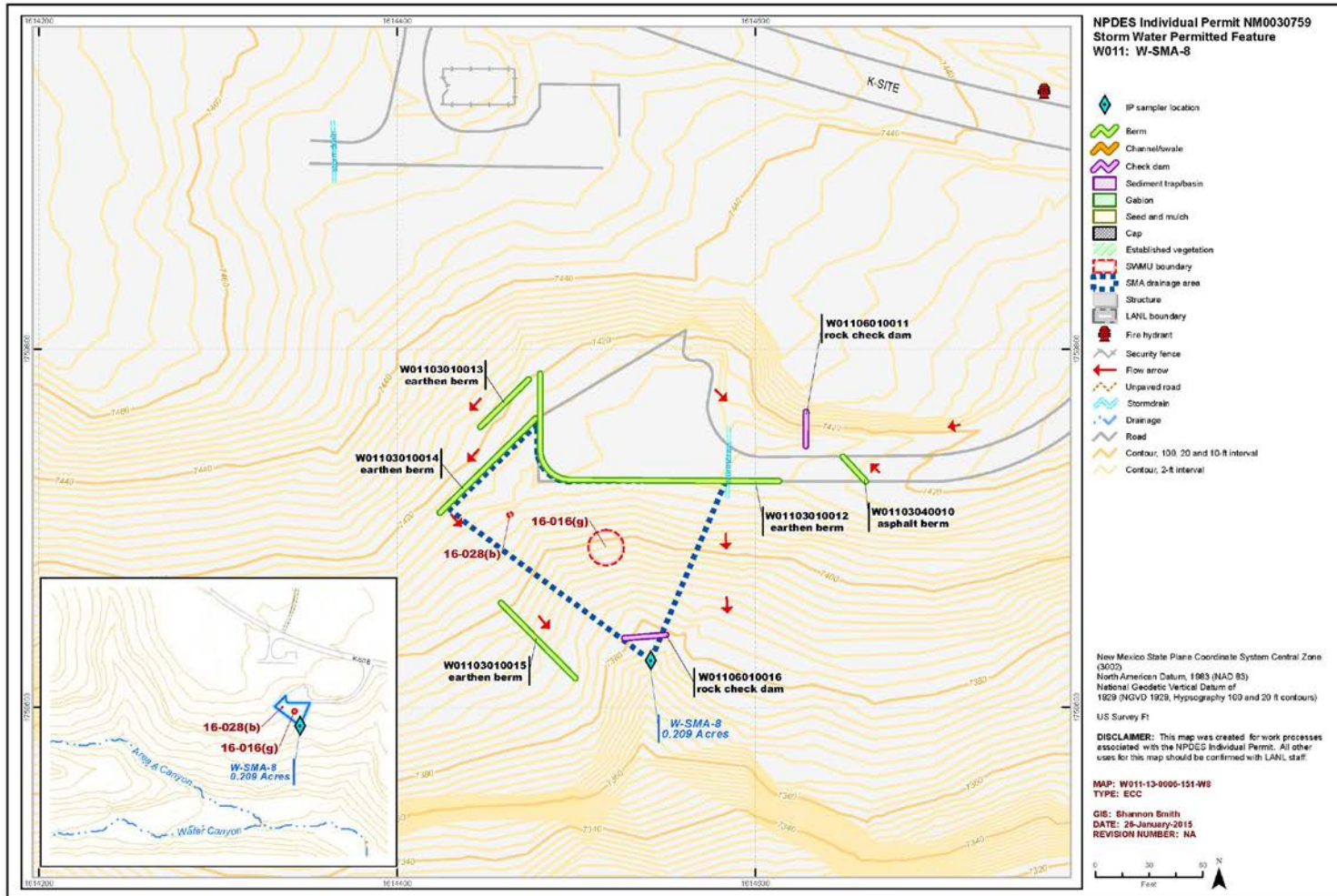
Check Dam

- Rock Check Dam

LOS ALAMOS NATIONAL LABORATORY
CERTIFICATION OF ENHANCED CONTROL MEASURES
W-SMA-8

PF: W011

Sites: 16-016(g)
16-028(b)



**Certification of Installation of
Enhanced Control Measures
at PJ-SMA-11.1**

LA-UR-15-21905

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LOS ALAMOS NATIONAL LABORATORY
CERTIFICATION OF ENHANCED CONTROL MEASURES

PF: J014

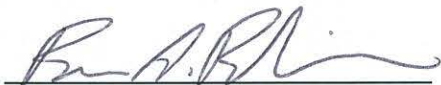
PJ-SMA-11.1

Sites: 40-003(b)

The following certification was performed in accordance with NPDES Permit No. NM0030759, Part I.E.1 (c), which requires the Permittees (i.e. EM-LA and ER) to certify the completion of the installation of control measures within 30 days of completion of the installation of all such measures at the site.

CERTIFICATION STATEMENT OF AUTHORIZATION

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware there are significant penalties for submitting false information including the possibility of fine and imprisonment for knowing violations."


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LOS ALAMOS NATIONAL LABORATORY
CERTIFICATION OF ENHANCED CONTROL MEASURES

PF: J014

PJ-SMA-11.1

Sites: 40-003(b)

In accordance with Part I.E.1 (a), the design, installation, and documentation of enhanced control measures reasonably expected to achieve compliance with target action levels identified in the Permit for all Sites within the identified SMA drainage area have been completed.

Enhanced Control Measure Description:			
BMP ID	Type of Control Measure	Control Measure	Photo ID
J01403010020	Berms	Earthen Berm	45202-1.JPG
J01403010021	Berms	Earthen Berm	45202-2.JPG
J01403010022	Berms	Earthen Berm	45202-3.JPG
J01403010023	Berms	Earthen Berm	45202-4.JPG

LOS ALAMOS NATIONAL LABORATORY
CERTIFICATION OF ENHANCED CONTROL MEASURES

PF: J014

PJ-SMA-11.1

Sites: 40-003(b)

Photos:



Photo: 45202-1.JPG

J01403010020

Berms

- Earthen Berm

LOS ALAMOS NATIONAL LABORATORY
CERTIFICATION OF ENHANCED CONTROL MEASURES

PF: J014

PJ-SMA-11.1

Sites: 40-003(b)



Photo: 45202-2.JPG

J01403010021

Berms

- Earthen Berm

LOS ALAMOS NATIONAL LABORATORY
CERTIFICATION OF ENHANCED CONTROL MEASURES

PF: J014

PJ-SMA-11.1

Sites: 40-003(b)



Photo: 45202-3.JPG

J01403010022 Berms

- Earthen Berm

NPDES PERMIT NO. NM0030759

LA-UR-15-21905

LOS ALAMOS NATIONAL LABORATORY
CERTIFICATION OF ENHANCED CONTROL MEASURES

PF: J014

PJ-SMA-11.1

Sites: 40-003(b)



Photo: 45202-4.JPG

J01403010023

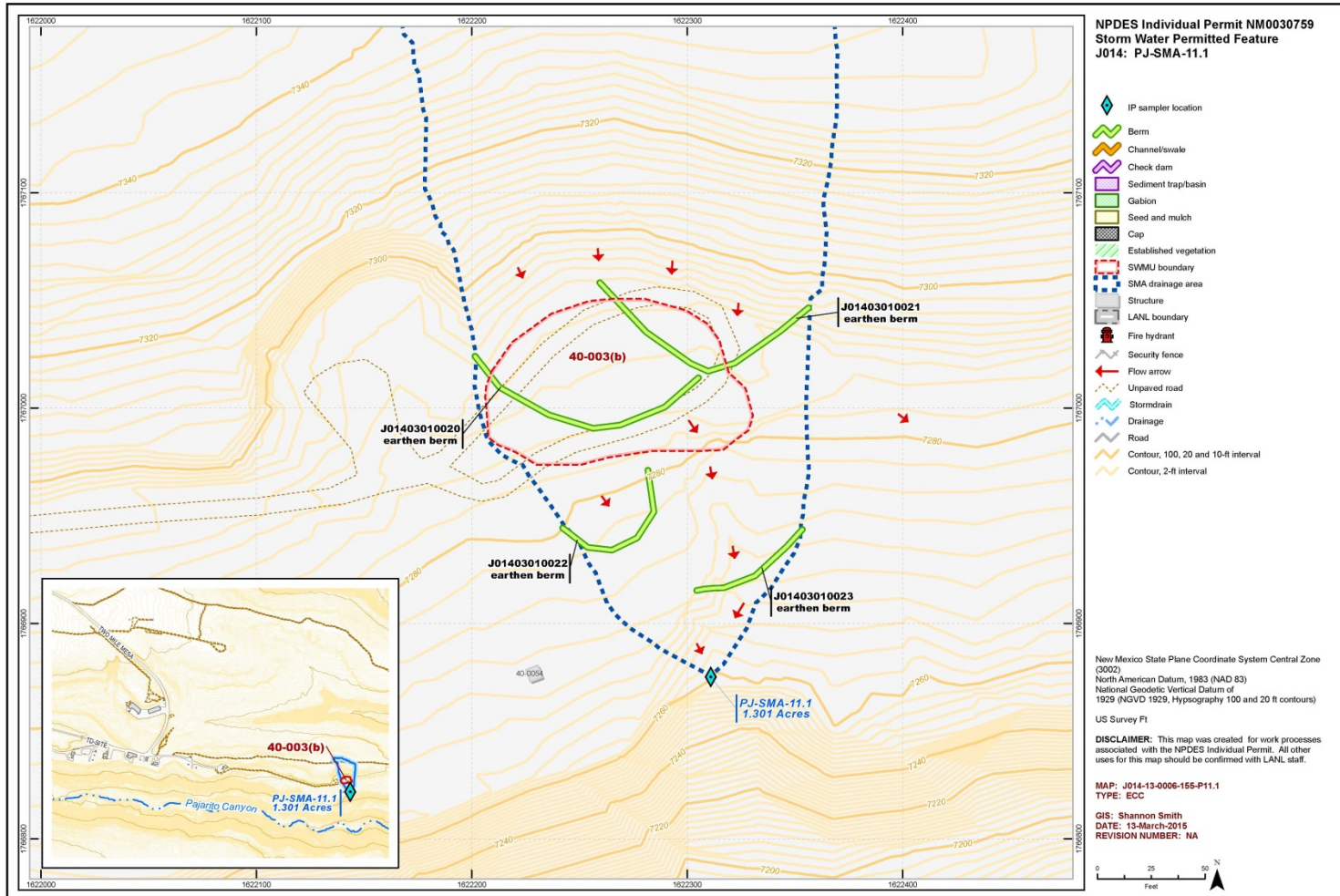
Berms

- Earthen Berm

LOS ALAMOS NATIONAL LABORATORY
CERTIFICATION OF ENHANCED CONTROL MEASURES
PJ-SMA-11.1

PF: J014

Sites: 40-003(b)



**Certification of Installation of
Enhanced Control Measures
at PJ-SMA-11**

LA-UR-15-21907

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LOS ALAMOS NATIONAL LABORATORY
CERTIFICATION OF ENHANCED CONTROL MEASURES

PF: J013

PJ-SMA-11

Sites: 40-003(a)

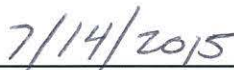
The following certification was performed in accordance with NPDES Permit No. NM0030759, Part I.E.1 (c), which requires the Permittees (i.e. EM-LA and ER) to certify the completion of the installation of control measures within 30 days of completion of the installation of all such measures at the site.

CERTIFICATION STATEMENT OF AUTHORIZATION

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware there are significant penalties for submitting false information including the possibility of fine and imprisonment for knowing violations."



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Los Alamos National Laboratory



Date



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Environmental Management



Date

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**LOS ALAMOS NATIONAL LABORATORY
CERTIFICATION OF ENHANCED CONTROL MEASURES**

PF: J013

PJ-SMA-11

Sites: 40-003(a)

In accordance with Part I.E.1 (a), the design, installation, and documentation of enhanced control measures reasonably expected to achieve compliance with target action levels identified in the Permit for all Sites within the identified SMA drainage area have been completed.

Enhanced Control Measure Description:			
BMP ID	Type of Control Measure	Control Measure	Photo ID
J01303010024	Berms	Earthen Berm	45201-2.JPG
J01303010025	Berms	Earthen Berm	45201-3.JPG
J01303010026	Berms	Earthen Berm	45201-5.JPG
J01303010027	Berms	Earthen Berm	45201-6.JPG

LOS ALAMOS NATIONAL LABORATORY
CERTIFICATION OF ENHANCED CONTROL MEASURES

PF: J013

PJ-SMA-11

Sites: 40-003(a)

Photos:



Photo: 45201-2.JPG

J01303010024

Berms

- Earthen Berm

NPDES PERMIT NO. NM0030759

LA-UR-15-21907

LOS ALAMOS NATIONAL LABORATORY
CERTIFICATION OF ENHANCED CONTROL MEASURES

PF: J013

PJ-SMA-11

Sites: 40-003(a)



Photo: 45201-3.JPG

J01303010025 Berms

- Earthen Berm

NPDES PERMIT NO. NM0030759

LA-UR-15-21907

LOS ALAMOS NATIONAL LABORATORY
CERTIFICATION OF ENHANCED CONTROL MEASURES

PF: J013

PJ-SMA-11

Sites: 40-003(a)



Photo: 45201-5.JPG

J01303010026

Berms

- Earthen Berm

NPDES PERMIT NO. NM0030759

LA-UR-15-21907

LOS ALAMOS NATIONAL LABORATORY
CERTIFICATION OF ENHANCED CONTROL MEASURES

PF: J013

PJ-SMA-11

Sites: 40-003(a)



Photo: 45201-6.JPG

J01303010027

Berms

- Earthen Berm

LOS ALAMOS NATIONAL LABORATORY
CERTIFICATION OF ENHANCED CONTROL MEASURES
PJ-SMA-11

PF: J013

Sites: 40-003(a)

